

	Type	Ref #	Hits	Search Text	DBs
1	BRS	S1	0	(laminate same (thin near film) same battery) and (hermetic\$5 same seal\$3) and (batter near pack) and weld\$3 and separator\$3 and terminal\$2	US-PGPUB; USPAT; USOCR
2	BRS	S2	0	(laminate same thin same film same battery) and (hermetic\$5 same seal\$3) and (batter near pack) and weld\$3 and separator\$3 and terminal\$2	US-PGPUB; USPAT; USOCR
3	BRS	S3	0	(laminate same thin same film same battery) and hermetic\$5 and (batter near pack) and weld\$3 and separator\$3 and terminal\$2	US-PGPUB; USPAT; USOCR
4	BRS	S4	0	(laminate same (thin near film) same battery) and (hermetic\$5 same seal\$3) and (battery near pack) and weld\$3 and separator\$3 and terminal\$2	US-PGPUB; USPAT; USOCR
5	BRS	S5	0	(laminate same (thin near film) same battery) and hermetic\$5 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2	US-PGPUB; USPAT; USOCR

	Type	Ref #	Hits	Search Text	DBs
6	BRS	S6	7	(laminate same battery) and hermetic\$5 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2	US-PGPUB; USPAT; USOCR
7	BRS	S7	76	(laminat\$3 same battery) and seal\$3 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2	US-PGPUB; USPAT; USOCR
8	BRS	S8	4	(laminat\$3 same battery) and seal\$3 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2 and (thermal\$3 near weld\$3)	US-PGPUB; USPAT; USOCR
9	BRS	S9	0	(laminat\$3 same (flat near cell)) and seal\$3 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2	US-PGPUB; USPAT; USOCR
10	BRS	S10	1	(laminat\$3 same battery) and (flat near cell) and seal\$3 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2	US-PGPUB; USPAT; USOCR
11	BRS	S12	0	S11 and vehicle	USPAT
12	BRS	S13	0	S11 and auto\$7	USPAT
13	BRS	S14	0	S11 and transp\$4	USPAT
14	BRS	S15	0	S11 and car	USPAT
15	BRS	S16	0	S11 and transport\$5	USPAT

	Type	Ref #	Hits	Search Text	DBs
16	BRS	S11	1	"6225778".pn.	USPAT
17	BRS	S17	5505	(laminat\$3 same battery)	US-PGPUB; USPAT; USOCR
18	BRS	S18	1	(laminat\$3 same battery) and seal\$3 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2 and (thermal\$3 near weld\$3) and vehicle	US-PGPUB; USPAT; USOCR
19	BRS	S19	4	(laminat\$3 same battery) and seal\$3 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2 and (thermal\$3 near weld\$3) and vehicle\$2	US-PGPUB; USPAT; USOCR
20	BRS	S20	24	(laminat\$3 same battery) and seal\$3 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2 and vehicle\$2	US-PGPUB; USPAT; USOCR
21	BRS	S21	28	(laminat\$3 same (battery or cell)) and seal\$3 and (battery near pack) and weld\$3 and separator\$3 and terminal\$2 and vehicle\$2	US-PGPUB; USPAT; USOCR
22	BRS	S22	1	"6225778".pn.	USPAT
23	BRS	S23	1	S22 and flat and laminat\$3 and film	USPAT
24	BRS	S24	0	S22 and flat and laminat\$3 and film and seal\$3 and hermetic\$5	USPAT

	Type	Ref #	Hits	Search Text	DBs
25	BRS	S25	1	S22 and flat and laminat\$3 and film and seal\$3	USPAT
26	BRS	S26	1	S22 and flat and laminat\$3 and film and seal\$3 and weld\$3	USPAT
27	BRS	S27	1	S22 and flat and laminat\$3 and film and seal\$3 and weld\$3 and thermal\$5	USPAT
28	BRS	S28	1	S22 and flat and laminat\$3 and film and seal\$3 and weld\$3 and thermal\$5 and hole\$2	USPAT
29	BRS	S29	0	S22 and flat and laminat\$3 and film and seal\$3 and weld\$3 and thermal\$5 and hole\$2 and (vehicle or transport\$4)	USPAT
30	BRS	S30	0	S22 and flat and laminat\$3 and film and seal\$3 and weld\$3 and thermal\$5 and hole\$2 and (vehicle\$2 or transport\$4 or car\$2 or mobile or automobil\$3)	USPAT
31	BRS	S32	0	S31 and flat and laminat\$3 and film and seal\$3 and weld\$3 and thermal\$5 and hole\$2	USPAT
32	BRS	S31	1	"6296967".pn.	USPAT
33	BRS	S33	0	S31 and flat and laminat\$3 and film and seal\$3 and weld\$3 and thermal\$5 and hole\$2	USPAT
34	BRS	S34	1	"6225778".pn.	USPAT

	Type	Ref #	Hits	Search Text	DBs
35	BRS	S35	1	S34 and flat and laminat\$3 and film and seal\$3 and weld\$3 and thermal\$5 and hole\$2	USPAT
36	BRS	S36	1	S34 and plate\$2 and separator\$2	USPAT
37	BRS	S37	0	S34 and (electrode near plate\$2) and separator\$2	USPAT
38	BRS	S38	1	S34 and (electrode same plate\$2) and separator\$2	USPAT
39	BRS	S39	1	S34 and electrode\$2 and separator\$2	USPAT
40	BRS	S40	1	10/645617	US-PGPUB
41	BRS	S41	1	S40 and polymer and metal	US-PGPUB
42	BRS	S42	1	S40 and polymer and metal and laminat\$4	US-PGPUB
43	BRS	S43	1	S34 and (polymer or plastic)	USPAT
44	BRS	S44	1	S34 and separator\$2 and electrode\$2	USPAT
45	BRS	S45	0	S34 and (terminal near lead)	USPAT
46	BRS	S46	1	S34 and (terminal same lead)	USPAT
47	BRS	S47	1	S34 and (terminal same lead\$2) and electrode\$2	USPAT
48	BRS	S48	0	S34 and thermal\$4 same weld\$4	USPAT
49	BRS	S49	1	S34 and thermal\$4 and weld\$4	USPAT
50	BRS	S50	1	S34 and thermal\$4 and weld\$4 and laminat\$5	USPAT
51	BRS	S51	0	S34 and (through near hole)	USPAT
52	BRS	S52	1	S34 and hole\$2	USPAT

	Type	Ref #	Hits	Search Text	DBs
53	BRS	S53	1	S34 and (through near hole\$2)	USPAT
54	BRS	S54	1	S34 and (through near hole\$2) and hole\$2	USPAT
55	BRS	S55	1	S34 and (through near hole\$2) and hole\$2 and terminal\$2 and lead\$2	USPAT
56	BRS	S56	1	"6225778".pn.	USPAT
57	BRS	S57	0	S56 and ahesive	USPAT
58	BRS	S58	1	S56 and adhesive	USPAT
59	BRS	S59	1	S56 and fold\$4	USPAT
60	BRS	S60	1	S56 and (series or parallel)	USPAT
61	BRS	S61	18	(laminate near battery) and packag\$4 and (series or parrallel)	US-PGPUB; USPAT
62	BRS	S62	23	(laminate near battery) and packag\$4 and (series or parallel)	US-PGPUB; USPAT
63	BRS	S63	8	(laminate near battery) and (battery near module\$2) and (series or parallel)	US-PGPUB; USPAT
64	BRS	S64	7	(laminate near battery) and (battery near pack\$2) and (series or parallel)	US-PGPUB; USPAT
65	BRS	S65	69	(battery near pack\$2) and ((series or parallel) same module\$2) and EV	US-PGPUB; USPAT
66	BRS	S66	6	((battery near pack\$2) same lithium) and ((series or parallel) same module\$2) and EV	US-PGPUB; USPAT

	Type	Ref #	Hits	Search Text	DBs
67	BRS	S67	302	429//171	US-PGPUB; USPAT
68	BRS	S68	0	S67 and (lamine near battery) and packag\$4 and (series or parrallel)	US-PGPUB; USPAT
69	BRS	S69	1542	429//163	US-PGPUB; USPAT
70	BRS	S70	1	S69 and (lamine near battery) and packag\$4 and (series or parrallel)	US-PGPUB; USPAT
71	BRS	S71	991	429//162	US-PGPUB; USPAT
72	BRS	S72	43	S71 and (lamine near battery)	US-PGPUB; USPAT
73	BRS	S73	1046	429//185	US-PGPUB; USPAT
74	BRS	S74	17	S73 and (lamine near battery)	US-PGPUB; USPAT
75	BRS	S75	1	10/645617	US-PGPUB
76	BRS	S76	1	S75 and hole\$2	US-PGPUB
77	BRS	S77	1	S56 and thick\$4	USPAT
78	BRS	S78	1	S56 and thick\$4 and "1a"	USPAT
79	BRS	S80	1	S79 and holes	US-PGPUB
80	BRS	S79	1	10/645617	US-PGPUB
81	BRS	S81	0	((suzuki same takeru) (maruyama same satoru)).in. and battery	US-PGPUB
82	BRS	S82	1	((suzuki same takeru) (maruyama same satoru)).in. and battery	US-PGPUB; USPAT

	Type	Ref #	Hits	Search Text	DBs
83	BRS	S83	4	((suzuki same takeru) (maruyama same satoru) (iijima same takeshi) (naoi same katsuo)).in. and battery	US-PGPUB; USPAT
84	BRS	S84	84	((suzuki same takeru) (maruyama same satoru) (iijima same takeshi) (naoi same katsuo)).in. and battery	EPO; JPO; DERWENT
85	BRS	S85	5	((suzuki same takeru) (maruyama same satoru) (iijima same takeshi) (naoi same katsuo)).in. and battery and electrod\$2 and laminat\$3	EPO; JPO; DERWENT
86	BRS	S86	3750 0	tdk.as.	EPO; JPO; DERWENT
87	BRS	S87	4697	tdk.as.	US-PGPUB; USPAT; USOCR
88	BRS	S88	17	tdk.as. and (electrochemical same element)	US-PGPUB; USPAT; USOCR
89	BRS	S89	72	tdk.as. and battery and laminat\$3	US-PGPUB; USPAT; USOCR
90	BRS	S90	1	"6225778".pn.	USPAT
91	BRS	S91	1	S90 and (hole\$3 opening\$3)	USPAT
92	BRS	S92	203	laminat\$3 same battery and ((tab\$2 or lead) same hole\$2)	USPAT
93	BRS	S93	395	laminat\$3 same battery and ((tab\$2 or lead) same hole\$2)	US-PGPUB; USPAT
94	BRS	S94	1	S90 and upward	USPAT

	Type	Ref #	Hits	Search Text	DBs
95	BRS	S106	94	((tab\$2 lead foil sheet) same ((hole\$2 perforations) near3 offset\$4) same (strong\$3 strength\$3))	US-PGPUB; USPAT; USOCR
96	BRS	S107	58	(sheet same ((hole\$2 perforations) near3 offset\$4) same (strong\$3 strength\$3))	US-PGPUB; USPAT; USOCR
97	BRS	S95	1	S90 and fold\$3	USPAT
98	BRS	S97	0	S79 and offset	US-PGPUB
99	BRS	S98	0	S79 and offset\$3	US-PGPUB
100	BRS	S96	1	S90 and "6f"	USPAT
101	BRS	S101	3520	428//198	US-PGPUB; USPAT; USOCR
102	BRS	S102	18	S101 and hole\$3 same strength and offset\$3	US-PGPUB; USPAT; USOCR
103	BRS	S103	1760	((tab\$2 lead foil sheet) same hole\$2 same offset\$4 same (strong\$3 strength\$3))	US-PGPUB; USPAT; USOCR
104	BRS	S99	0	S79 and offset\$5	US-PGPUB
105	BRS	S110	55	(sheet near3 ((hole\$2 perforations) near3 offset\$4)) and offset\$3	US-PGPUB; USPAT; USOCR
106	BRS	S100	358	429//198	US-PGPUB; USPAT; USOCR

	Type	Ref #	Hits	Search Text	DBs
107	BRS	S104	51	((tab\$2 lead foil sheet) same hole\$2 same offset\$4 same (strong\$3 strength\$3)) and battery	US-PGPUB; USPAT; USOCR
108	BRS	S105	1980	((tab\$2 lead foil sheet) same (hole\$2 perforations) same offset\$4 same (strong\$3 strength\$3))	US-PGPUB; USPAT; USOCR
109	BRS	S108	626	(sheet same ((hole\$2 perforations) near3 offset\$4))	US-PGPUB; USPAT; USOCR
110	BRS	S109	56	(sheet near3 ((hole\$2 perforations) near3 offset\$4))	US-PGPUB; USPAT; USOCR
111	BRS	S111	113	(sheet near3 ((hole\$2 perforations aperture\$3) near3 offset\$4)) and offset\$3	US-PGPUB; USPAT; USOCR
112	BRS	S112	7	(foil near3 ((hole\$2 perforations aperture\$3) near3 offset\$4)) and offset\$3	US-PGPUB; USPAT; USOCR
113	BRS	S113	107	(tab near3 ((hole\$2 perforations aperture\$3) near3 offset\$4)) and offset\$3	US-PGPUB; USPAT; USOCR
114	BRS	S114	47	(lead near3 ((hole\$2 perforations aperture\$3) near3 offset\$4)) and offset\$3	US-PGPUB; USPAT; USOCR
115	BRS	S115	3520	428//198	US-PGPUB; USPAT; USOCR
116	BRS	S116	28	S115 and ((perforat\$5 holes) same offset\$3)	US-PGPUB; USPAT; USOCR

	Type	Ref #	Hits	Search Text	DBs
117	BRS	S117	28	S115 and ((perforat\$5 holes) same offset\$3) and offset\$4	US-PGPUB; USPAT; USOCR
118	BRS	S119	34	S118 and ((perforat\$5 holes) same offset\$3) and offset\$4	US-PGPUB; USPAT; USOCR
119	BRS	S118	3833	428//192	US-PGPUB; USPAT; USOCR
120	BRS	S122	765	((perforat\$5 holes) same offset\$3) and (offset\$4 same (strength\$4 advantag\$5)) and offset\$4 and substrate\$2	US-PGPUB; USPAT; USOCR
121	BRS	S123	133	((perforat\$5 holes) same offset\$3) and (offset\$4 same (strength\$4 advantag\$5)) and offset\$4 and substrate\$2 and battery	US-PGPUB; USPAT; USOCR
122	BRS	S121	13429	((perforat\$5 holes) same offset\$3) and (offset\$4 same (strength\$4 advantag\$5)) and offset\$4	US-PGPUB; USPAT; USOCR
123	BRS	S120	52652	((perforat\$5 holes) same offset\$3) and offset\$4	US-PGPUB; USPAT; USOCR
124	BRS	S126	140	((perforat\$5 holes) near5 offset\$3) and (offset\$4 near5 (strength\$4 advantag\$5)) and offset\$4	US-PGPUB; USPAT; USOCR

	Type	Ref #	Hits	Search Text	DBs
125	BRS	S125	32	((perforat\$5 holes) near5 offset\$3) and (offset\$4 near5 (strength\$4 advantag\$5)) and offset\$4 and substrate\$2	US-PGPUB; USPAT; USOCR
126	BRS	S124	765	((perforat\$5 holes) same offset\$3) and (offset\$4 same (strength\$4 advantag\$5)) and offset\$4 and substrate\$2	US-PGPUB; USPAT; USOCR
127	BRS	S128	0	S127 and hole\$2 same off\$5	US-PGPUB
128	BRS	S130	0	S127 and hole\$2 and offset\$3	US-PGPUB
129	BRS	S127	1	10/645617	US-PGPUB
130	BRS	S129	0	S127 and hole\$2 same offset\$3	US-PGPUB
131	BRS	S131	0	S127 and offset	US-PGPUB
132	BRS	S132	1	S127 and arranged	US-PGPUB
133	BRS	S135	0	S133 and hole\$1 and collector\$2	USPAT
134	BRS	S150	11	battery and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) near5 (strength\$3 strong\$2)) and (stregth\$3 strong\$2)	US-PGPUB; USPAT; USOCR
135	BRS	S154	8	battery and ((current near collector\$2) near3 (hole\$2 aperture\$2) same strength)	US-PGPUB; USPAT; USOCR
136	BRS	S139	1	S133 and "3" and app\$6 and stag\$4	USPAT

	Type	Ref #	Hits	Search Text	DBs
137	BRS	S158	27	battery and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) same stagger\$3) and stagger\$3	US-PGPUB; USPAT; USOCR
138	BRS	S155	5	battery and ((metal near substrate) near3 (hole\$2 aperture\$2) same strength)	US-PGPUB; USPAT; USOCR
139	BRS	S163	0	battery and ((collector\$2 near5 (hole\$2 aperture\$2 opening\$2)) same (staggered (off near set\$3))) and (staggered (off near set\$3))	EPO; JPO; DERWENT
140	BRS	S160	1	(fuel adj cell\$2) and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) same (off near set\$2))	US-PGPUB; USPAT; USOCR
141	BRS	S133	1	"5542958".pn.	USPAT
142	BRS	S156	1	S133 and "3" and stagger\$4	USPAT
143	BRS	S161	464	(fuel adj cell\$2) and ((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2))	US-PGPUB; USPAT; USOCR
144	BRS	S151	19	battery and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) near5 (strength\$3 strong\$2)) and (strength\$3 strong\$2)	US-PGPUB; USPAT; USOCR

	Type	Ref #	Hits	Search Text	DBs
145	BRS	S159	0	(fuel adj cell\$2) and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) same stagger\$3) and stagger\$3	US-PGPUB; USPAT; USOCR
146	BRS	S153	168	battery and (((current near collector\$2) tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) same (strength\$3 strong\$2)) and (strength\$3 strong\$2)	US-PGPUB; USPAT; USOCR
147	BRS	S157	27	battery and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) same stagger\$3)	US-PGPUB; USPAT; USOCR
148	BRS	S152	247	battery and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) same (strength\$3 strong\$2)) and (strength\$3 strong\$2)	US-PGPUB; USPAT; USOCR
149	BRS	S162	15	(fuel adj cell\$2) and ((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) and staggered	US-PGPUB; USPAT; USOCR
150	BRS	S149	10	battery and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)) near5 strength)	US-PGPUB; USPAT; USOCR

	Type	Ref #	Hits	Search Text	DBs
151	BRS	S148	6487	battery and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2)))	US-PGPUB; USPAT; USOCR
152	BRS	S138	1	S133 and "3"	USPAT
153	BRS	S145	65	battery and ((collector\$2 same (hole\$2 aperture\$2 opening\$2)) same (staggered (off near set\$3))) and (staggered (off near set\$3))	US-PGPUB; USPAT; USOCR
154	BRS	S144	8	battery and ((collector\$2 near5 (hole\$2 aperture\$2 opening\$2)) same (staggered (off near set\$3))) and (staggered (off near set\$3))	US-PGPUB; USPAT; USOCR
155	BRS	S147	367	battery and (((collector\$2 tab\$2) near5 (hole\$2 aperture\$2 opening\$2))) and (staggered (off near set\$3))	US-PGPUB; USPAT; USOCR
156	BRS	S143	8	battery and ((collector\$2 near5 (hole\$2 aperture\$2 opening\$2)) same (staggered (off near set\$3)))	US-PGPUB; USPAT; USOCR

	Type	Ref #	Hits	Search Text	DBs
157	BRS	S14 6	220	battery and (((collector\$2 tab\$2) same (hole\$2 aperture\$2 opening\$2)) same (staggered (off near set\$3))) and (staggered (off near set\$3))	US-PGPUB; USPAT; USOCR
158	BRS	S14 2	6	battery and ((collector\$2 near5 (hole\$2 aperture\$2 opening\$2)) same (staggered (off near set\$3)))	US-PGPUB; USPAT
159	BRS	S14 1	3	battery and ((collector\$2 near5 (hole\$2 aperture\$2 opening\$2)) same (staggered (off near set\$3)))	USPAT
160	BRS	S14 0	1	S133 and "3" and app\$7 and stagg\$4	USPAT
161	BRS	S13 4	0	S133 and hole\$1 and collector\$2 and tab\$2	USPAT
162	BRS	S13 7	0	S133 and collector\$2 and "3"	USPAT
163	BRS	S13 6	0	S133 and opening\$2 and collector\$2	USPAT
164	BRS	S16 5	1	S164 and staggered	US-PGPUB; USPAT; USOCR
165	BRS	S16 4	1	"4233350".pn.	US-PGPUB; USPAT; USOCR
166	BRS	S16 7	1	S166 and ratio\$2	US-PGPUB
167	BRS	S16 6	1	10/645617	US-PGPUB